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PATENT ABSTRACTS OF JAPAN

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## (54) PROTECTIVE CIRCUIT

## (57) Abstract:

a current, flowing into a switching overcurrent. circuit, upon detection of an overcurrent detector and interrupting control circuit of a switching element detecting a current, flowing into a for driving a load, by means of an circuit against breakdown by PURPOSE: To protect a control control circuit are protected against constitution, components of the FET 7b OFF. According to the comparing circuit 10 thus turning the energized by the output from the with a reference voltage 11 and if the comparing circuit 10 compares the output terminals v1-v3 of a control former is higher, a charge pump 9b is forward voltage drop of the diode 8a the FET 7b is turned ON, where a when the FET 7a is turned OFF and the FET 7b blocks overcurrent if the collector-base of the Tr 3 is broken, circuit 6 thereby driving a transistor ON/ OFF based on signals at the through diodes 8a and the FET 7b is turned OFF. Overcurrent flows when the FET 7a is turned ON and ON/OFF by turning MOSFETs 7a, 7b CONSTITUTION: A load 2 is turned FET 7a is turned ON and the FET 7b the FET 7b is turned OFF. When the fr 3. Base current of the Tr 3 flows

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